

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	5	"20040023010"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:27
L5	275	(inorganic near2 semiconductor) with (QD (quantum adj dots) nano \$3crystal (luminescent near3 center))	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:34
L6	1	l5 and @ad< "20040123" and ("313" "445").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:34
L7	0	(amibipolar near2 semiconductor) with (QD (quantum adj dots) nano \$3crystal (luminescent near3 center))	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:36
L8	0	(amibipolar near2 semiconductor)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:36
L9	166	(ZnS near3 semiconductor ) with (QD (quantum adj dots) nano \$3crystal (luminescent near3 center))	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:37
L10	52	l9 and @ad< "20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:37
L11	10	(QD (quantum adj dots) nano\$3crystal (luminescent near3 center)) with (disper\$5 mixt\$5 ) with (inorganic near2 semiconductor near3 material)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:40
L12	1356	(inorganic near3 (diode LED/u/c.))	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:43
L13	32	(inorganic near3 (diode LED/u/c.)).ti,ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:43
L14	32	(in\$3organic near3 (diode LED/u/c.)).ti,ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:43
L15	28	(ambipolar near2 semiconductor)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:45
L16	1	"10587029"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:49
L17	1	"20080122341"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:49

L18	1	"20080122341"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/08 16:50
L19	1	"20020151094"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:51
L20	29	((inorganic near3 (light near3 (emitting emissive emission)) near3 diode).ti, ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:52
L21	38	((inorganic near3 (LED.u/c. (light near3 (emitting emissive emission)) near3 diode)).ti,ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 16:54
L22	19	((MASAHIRO) near2 (ORITA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:21
L23	104	((HIROSHI) near2 (KAWAZOE)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/08 17:21
L24	191	((SATOSHI) near2 (KOBAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:21
L25	14	((HIROAKI) near2 (YANAGITA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:21
L26	3	((MORIHIRO) near2 (NII MI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:21
L27	1	((MISAKI) near2 (HATSUDA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:21
L30	0	( ZnSeTe with ( luminescent near center)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:23
L33	0	((I22 I23 "I234" I25 I26 I27) and (QD Quantum\$3dot). clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:24
L34	0	((I22 I23 "I234" I25 I26 I27) and (nano\$3crystal).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:25
L35	0	((I22 I23 "I24" I25 I26 I27) and (nano\$3crystal).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:25
L36	37	((qd (quantum adj dots) (nano near3 crystal)) and roy.xp,xa.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:26

L37	75	("20010001207"   "20010013668"   "20020017651"   "20020043926"   "20020054406"   "20020063520"   "20020079837"   "20020084748"   "20020084749"   "20020085601"   "20020121645"   "20020140880"   "20020154406"   "20020180351"   "20030002272"   "20030038295"   "20030217806"   "20040116033"   "20040144987"   "20040145288"   "20040145289"   "20040145312"   "20040145895"   "20040145913"   "20040149998"   "20040150991"   "20040150997"   "20040159900"   "20050116235"   "20050116635"   "20050117366"   "20050134527"   "20050140270"   "4882617"   "5540978"   "5540987"   "5552927"   "5568316"   "5813752"   "5813753"   "5831375"   "5882774"   "5959316"   "6010751"   "6101032"   "6155699"   "6172810"   "6186649"   "6340824"   "6366018"   "6368699"   "6373188"   "6404125"   "6472765"   "6486997"   "6501091"   "6504301"   "6506480"   "6515785"   "6521329"   "6531230"   "6534158"   "6547400"   "6578421"   "6583930"   "6601962"   "6635903"   "6652996"   "6653765"   "6686676"   "6717348"   "6744077"   "7091653"   "7250611").PN. OR ("7394188").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:29
-----	----	--	---------------------------	----	----	---------------------

L38	6	(qd (quantum adj dot) (nano near3 crystal) nano- crystal nano\$particle nano \$sphere) and ( roy near2 sikha).xp,xa.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:31
L40	1868	( ((quantum near2 dots) qd) near2 (phosphor\$4 electro\$luminescen\$3 luminescen\$3 fluorescen \$3 light\$emissive light \$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film))))).ti,ab,detd.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:34
L41	129	l40 and "313".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:34
L42	26	l41 and @ad<"20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:34
L43	19	l41 and @ad<"20040123" and inorganic	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/08 17:36
S93	1	(anode first\$1electrode positive\$2electrdoe transparent\$2electrode (hole near3 inject\$4\$ near2 electrode)) with (((quantum near2 dot) QD) with (luminesce\$5 near center)) with (cathode (electron near3 inject\$4\$ near2 electrode) negative\$2electrdoe second\$2electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:36
S94	4717	(phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with ((quantum near2 dots) (QD))	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:39
S95	12	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with ((quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:40

S96	0	S95 and @ad<"20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:40
S97	12	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (ano(quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:41
S98	12	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano \$3crysals nano(quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:42
S99	14	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano \$3crystal nano(quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:42
S100	3	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano \$3crystal nano\$particle with ((quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:43

S101	0	anode with (direct\$2 near3 (touch\$3 contact \$3)) with (inorganic near3 (phosphor\$4 electro\$luminescen\$3 luminescen\$3 fluorescen\$3 light\$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano\$3crystal nano\$particle with ((quantum near2 dots) (QD)))) with (direct\$2 near3 (touch\$3 contact \$3)) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:45
S102	0	(anode first\$1electrode positive\$2electrode transparent\$2electrode (hole near3 inject\$4\$ near2 electrode)) with (direct\$2 near3 (touch\$3 contact\$3)) with (inorganic near3 (phosphor\$4 electro\$luminescen\$3 luminescen\$3 fluorescen\$3 light\$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano\$3crystal nano\$particle with ((quantum near2 dots) (QD)))) with (direct\$2 near3 (touch\$3 contact \$3)) with (cathode (electron near3 inject\$4\$ near2 electrode) negative\$2electrode second\$2electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:46
S103	2	"313"/\$ and( "anode/lel/cathode" "anode/eml/cathode")	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:47
S104	2	"313"/\$ and ("anode/lel/cathode" "anode/eml/cathode")	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:47
S105	2	("anode/lel/cathode" "anode/eml/cathode")	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:50

S106	7943	(anode first\$1electrode positive\$2electrode transparent\$2electrode (hole near3 inject\$4\$ near2 electrode)) near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) near3 (cathode (electron near3 inject\$4\$ near2 electrode) negative \$2electrode second \$2electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:51
S107	3211	S106 and @ad< "20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:52
S108	1756	S106 and @ad< "20040123" and ("313" "445").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:52
S109	0	S107 and ZnSeTe with ( luminescent near center)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:53
S110	1299	S106 and @ad< "20040123" and 313/500-512.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:53
S111	12862	pd< "20040123" and 313/500-512.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:54
S112	684	S106 and @pd< "20040123" and 313/500-512.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:54
S113	183	S112 and (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film))))	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/03 12:55

### EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L28	0	(ambipoolar near3 semiconductor).clm.	USPAT; UPAD	OR	ON	2010/04/08 17:22
L29	8	(ambipolar near3 semiconductor).clm.	USPAT; UPAD	OR	ON	2010/04/08 17:22

L31	0	( ZnSeTe with( luminescent near center)).clm.	USPAT; UPAD	OR	ON	2010/04/08 17:23
L32	0	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano\$3crystal nano\$particle with ((quantum near2 dots) (QD)))) with cathode	USPAT; UPAD	OR	ON	2010/04/08 17:23

**4/ 8/ 2010 7:46:20 PM**

**H:\ Documents and Settings\ tgreen3\_copy\ My Documents\ EAST\ Workspaces\ us\_10587029.  
w sp**